

Distributed Virtual SAN Infrastructure

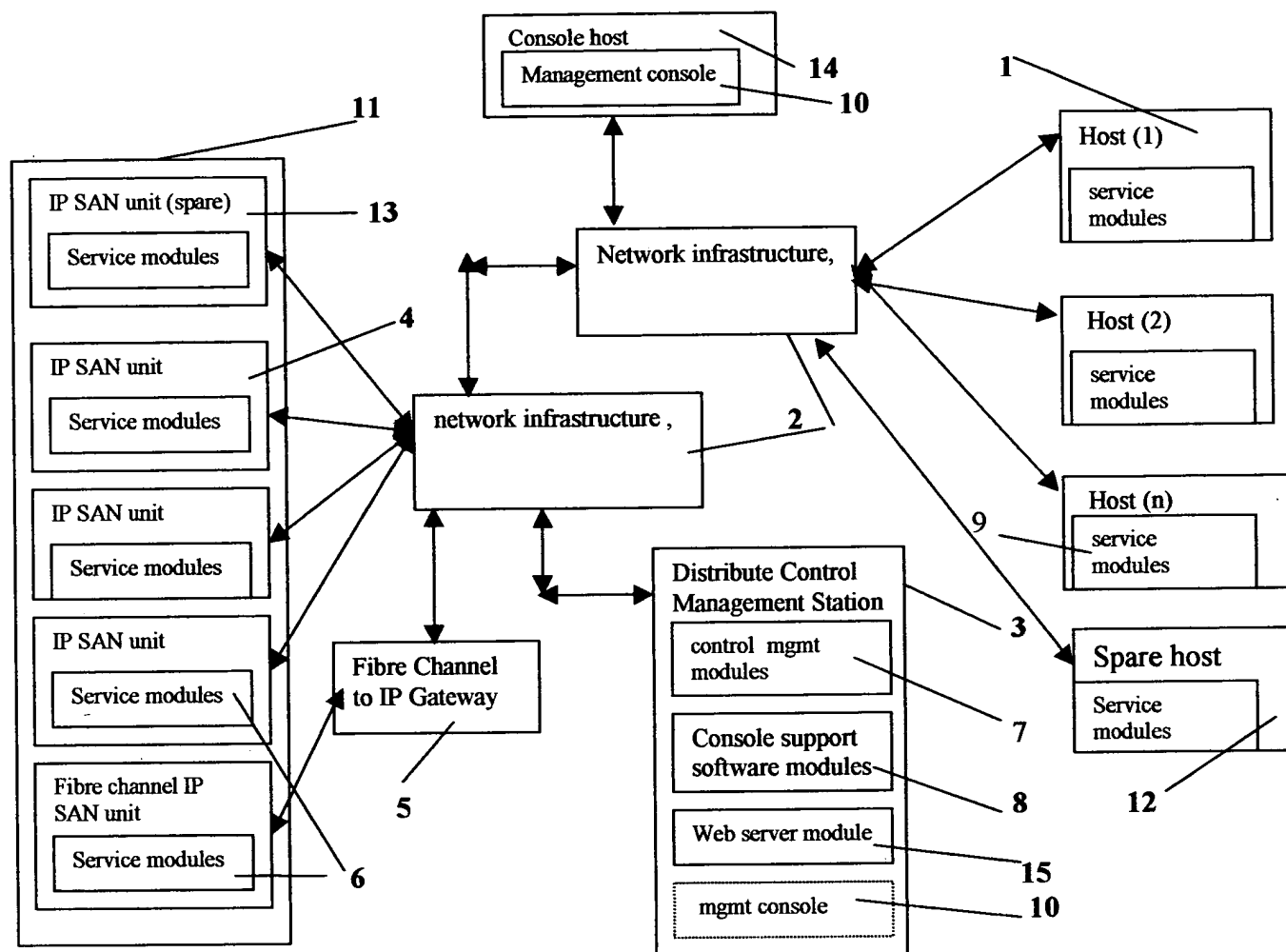
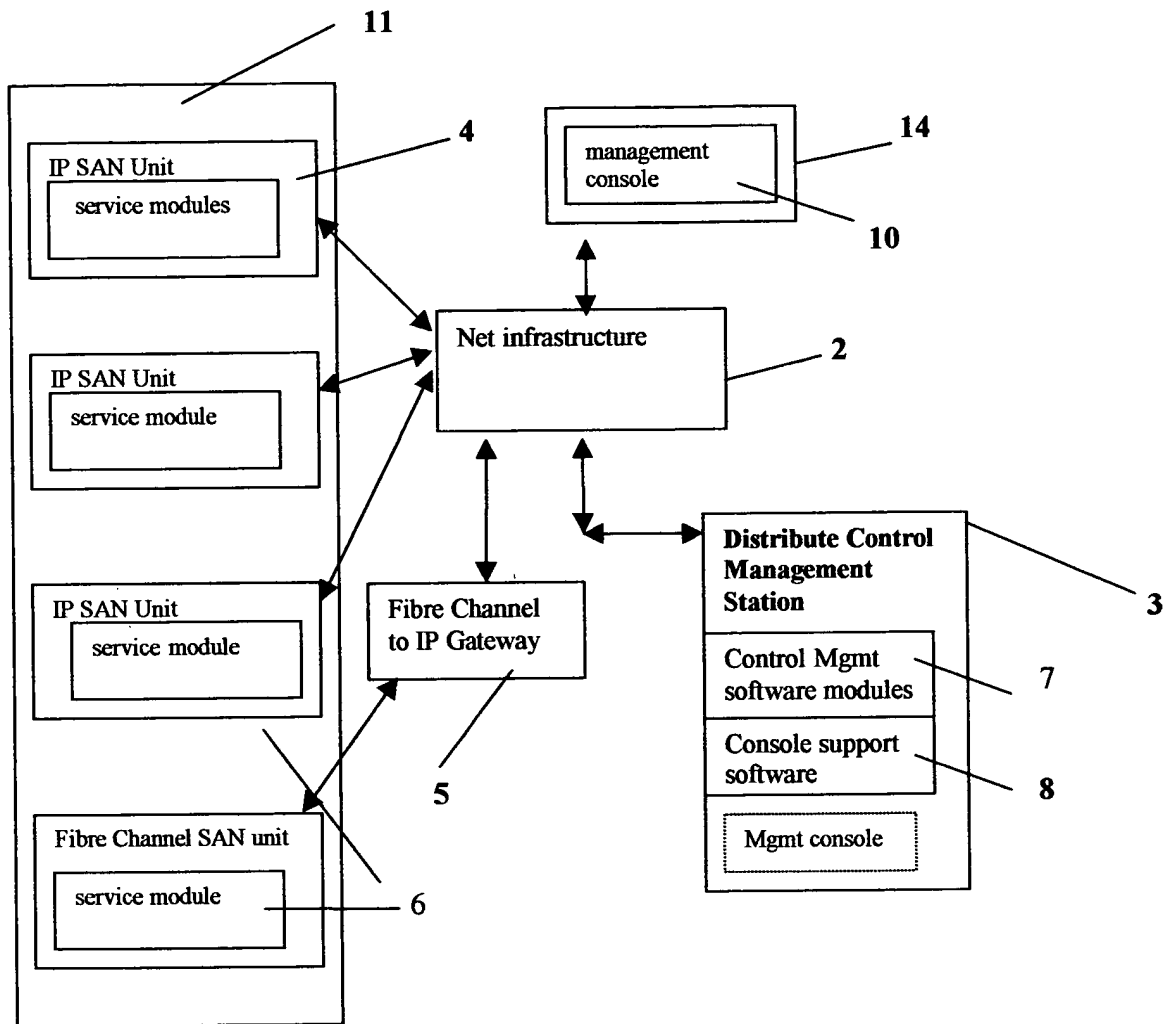
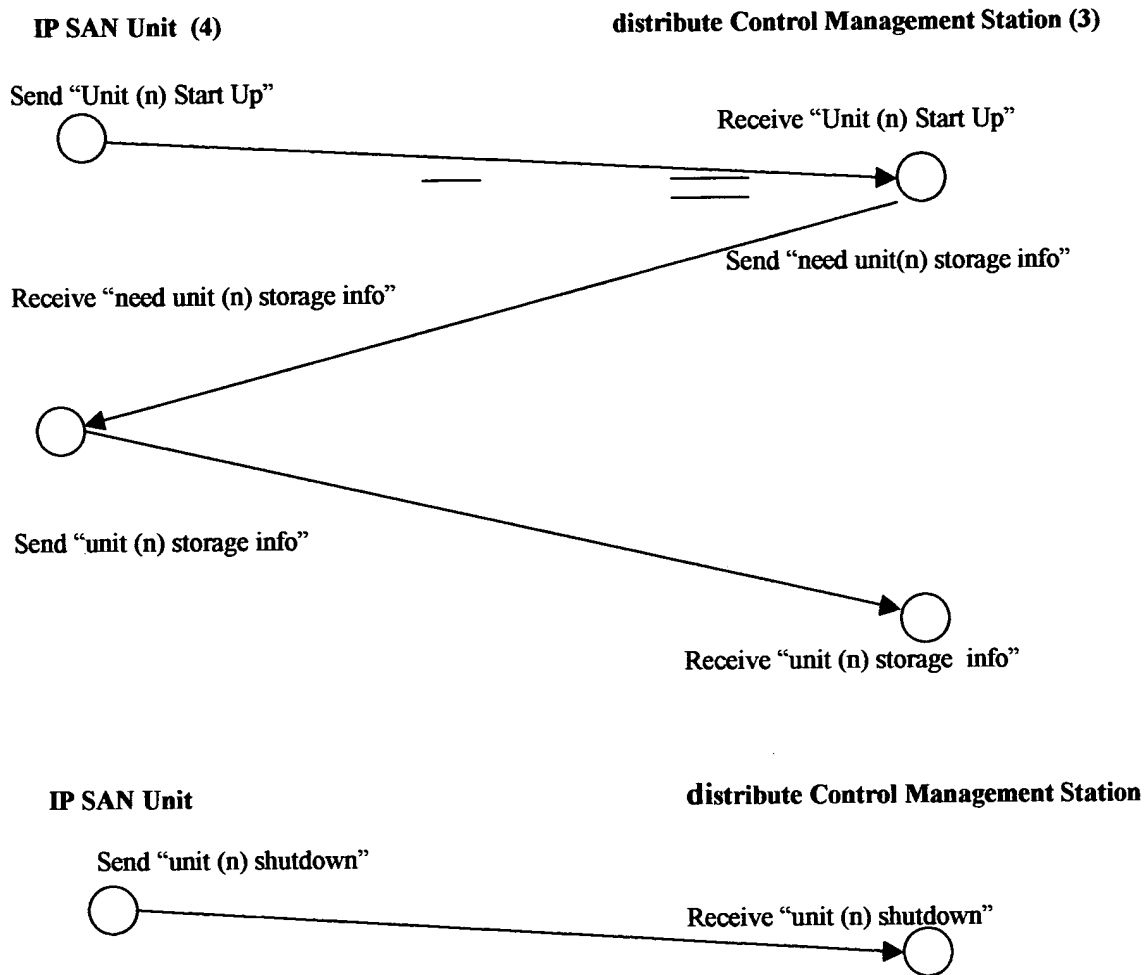


Fig. 1

The Actual Components of Distributed Virtual SAN**Fig. 2**

Virtual SAN Storage Pool Automatic Configuration Protocol**Fig. 3**

The UDP packet format used by “Virtual SAN Auto Configuration Protocol”

Source IP address
Destination IP address
Source port
Destination port
Message Type
Data Length
Data Area

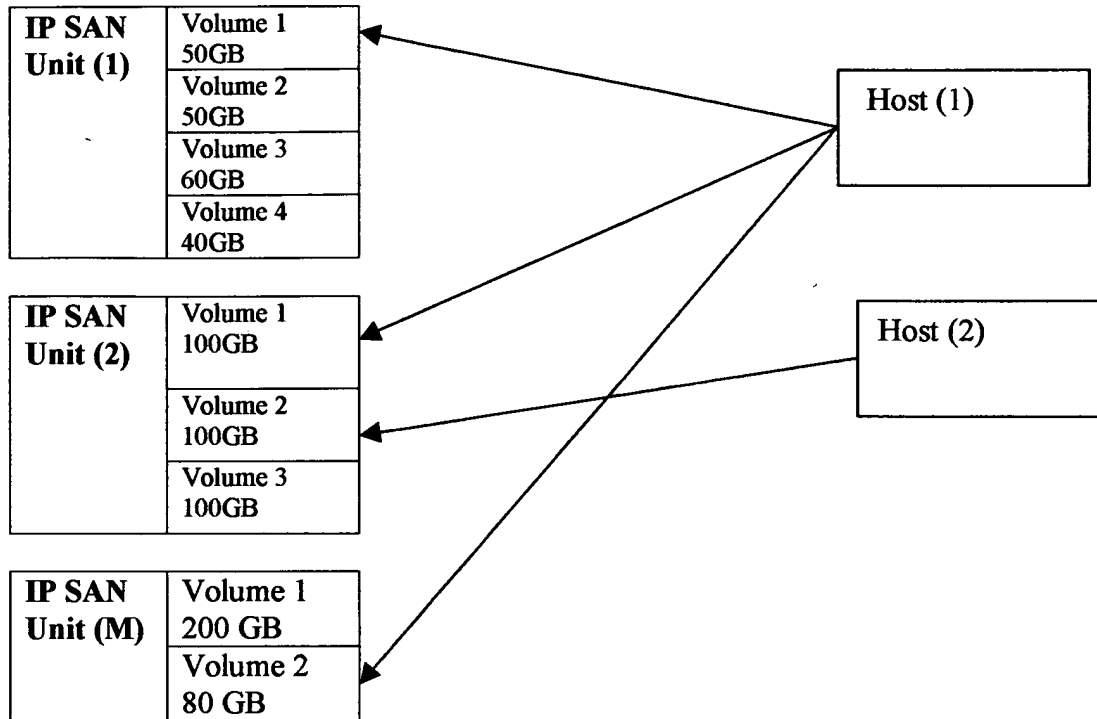
Fig. 4

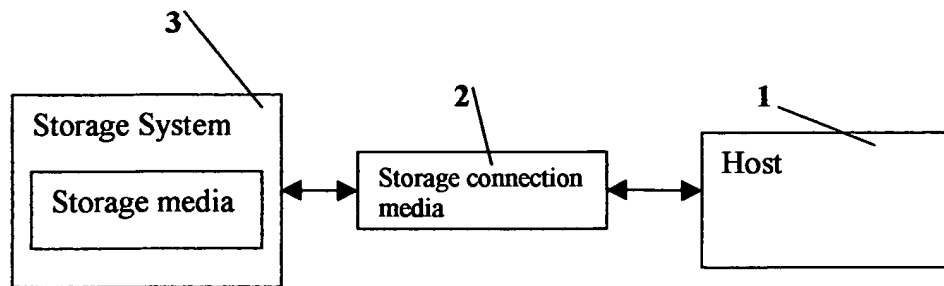
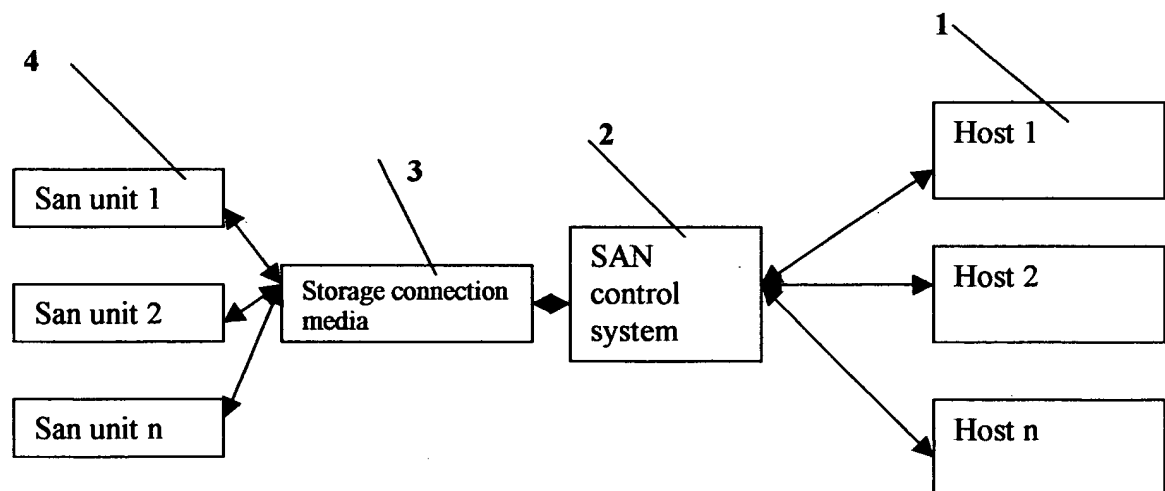
Example of Storage Volume Information of an IP SAN Unit

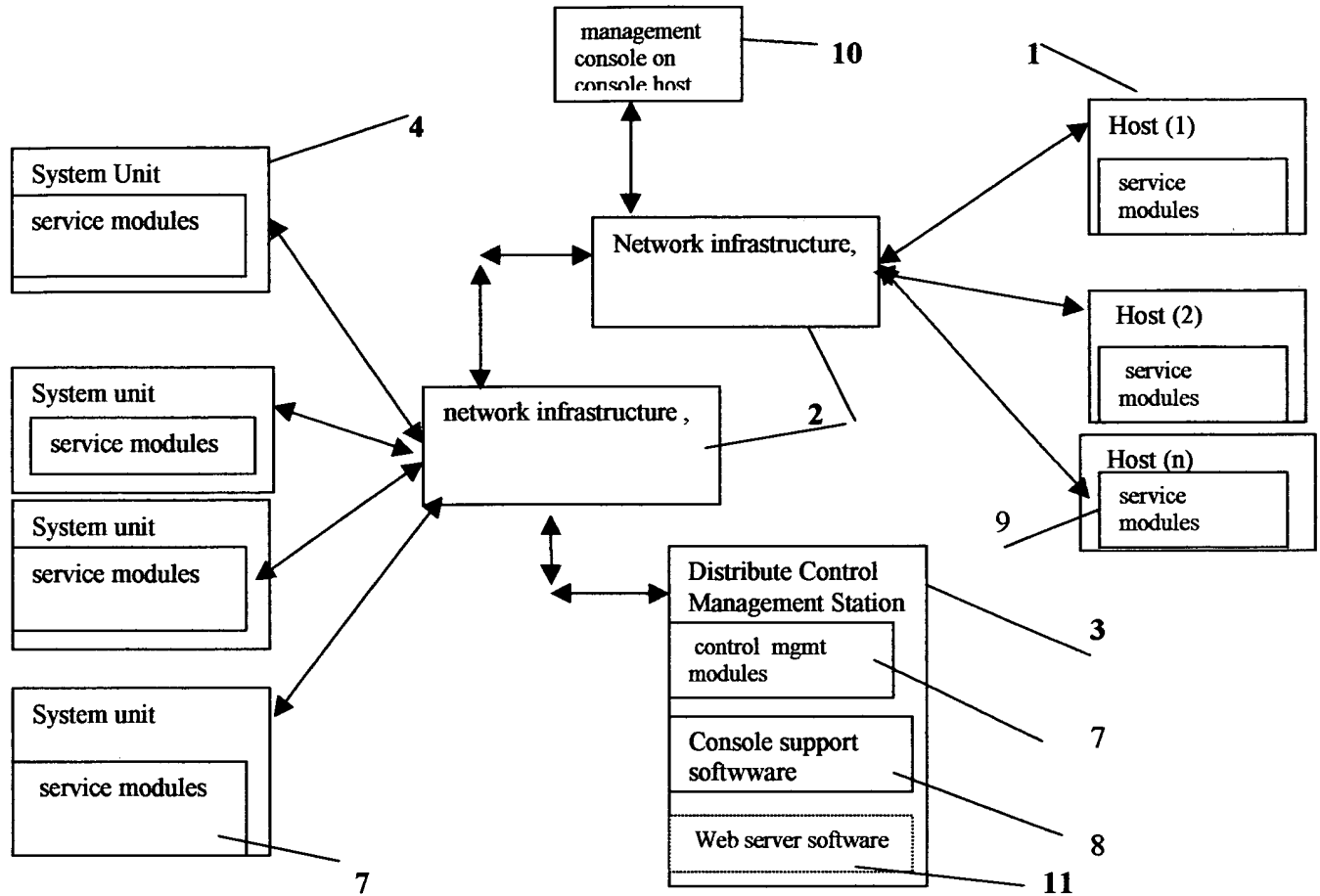
IP SAN Unit			
Volume 1			
P1	P2	P3	P3
Volume 2			
Volume 3			
Volume 4			

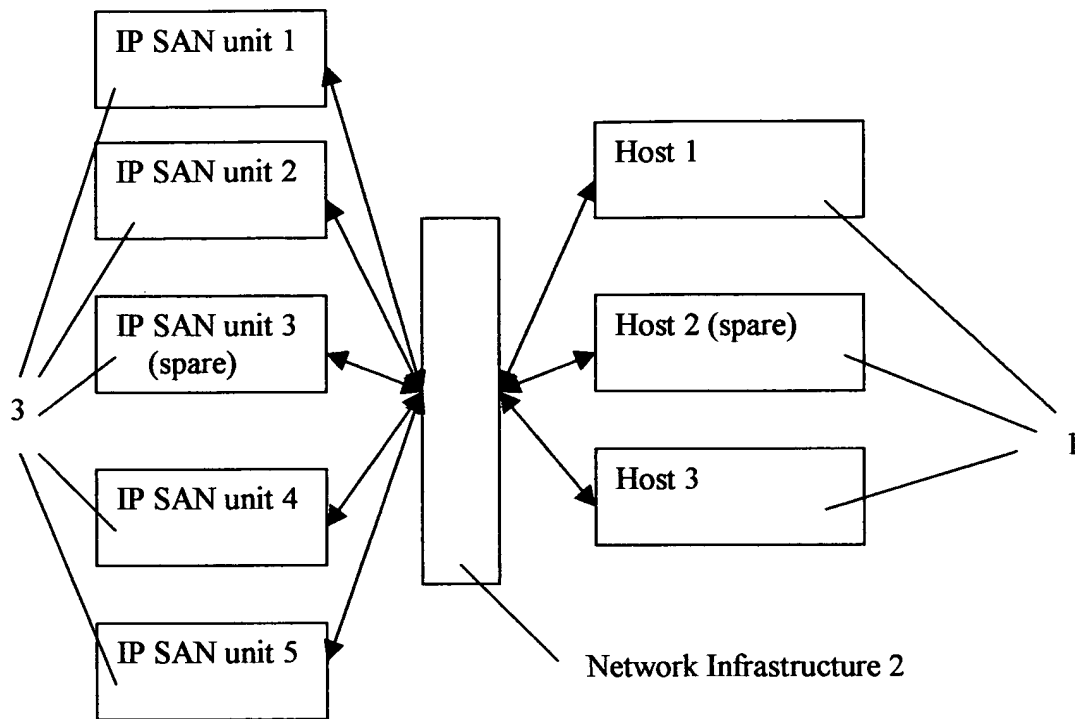
Note: Each volume may further be partitioned into small chunk of partition.

Fig. 5

A Hypothetical Example of Storage Volume Requests and Assignments**Fig. 6**

Direct Attached Storage System:**Fig. 7****In-Band Accessed Virtual SAN****Fig. 8**

Central Controlled Distributed Scalable Virtual Machine Infrastructure**Fig. 9**

Recovery Scheme of the Distributed Virtual SAN Infrastructure**Fig. 10**